

ORIGINAL

SECTION I - PRODUCT IDENTIFICATION

Manufacturer: DESOTO AEROSPACE COATINGS, INC
1608 FOURTH STREET
BERKELEY CA 94710

Information Phone: (818) 549-7823
Emergency Phone: (800) 228-5635
CHEMTREC Phone: (800) 424-9300

Product Class: AROMATIC POLYISOCYANATE
Trade Name : I F T CURING SOLUTION
Product Code : 910-702
C.A.S. Number: MIXTURE
D.O.T. Hazard Class : Flammable liquid
Proper Shipping Name: Paint

Hazard Ratings: Health - 3
none -> extreme Fire - 3
0 ---> 4 Reactivity - 1
Personal Protection - J
UN #: UN1263

SECTION II - INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits	VP
			ACGIH/TLV OSHA/PEL	mm HG
*METHYL ETHYL KETONE	000078-93-3	10.	200 ppm	74.9
		STEL=	300	
METHYLENE BISPHENYL ISOCYANATE (MDI)	000101-68-8	40.	0.005 ppm	0
POLYMERIC MDI	9016-87-9	50.	Undetermined	0

*** ALL Ingredients in this product are listed in the T.S.C.A. Inventory.

PERCENT BY WEIGHT:
TO NEAREST 5% FOR SUBSTANCES 5-95%
<5.0% FOR SUBSTANCES 1.0-5.0%

S=SKIN; C=CEILING LIMIT
NE=NOT ESTABLISHED
NA=NOT APPLICABLE

* -> These items are listed on the SARA TITLE III Section 313 inventory

SECTION III - PHYSICAL DATA

Boiling Range: 175 - 175 Deg. F
Evap. Rate: Slower than n-Butyl Acetate
Volatiles volume: 16 %
Vapor Density: Heavier than Air.
Liquid Density: Lighter than Water.
Wgt per gallon: 9.79 Pounds.
Spec. Gravity: 1.18

Appearance: DARK BROWN LIQUID, SOLVENT ODOR
V.O.C.: 128 GRAMS/LITER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: FLAMMABLE Flash Point: 22 F Setflash LEL: 1.8 %
-EXTINGUISHING MEDIA:

EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM).

-SPECIAL FIRE FIGHTING PROCEDURES:

WATER SPRAY MAY BE INEFFECTIVE. COOL FIRE EXPOSED CONTAINERS WITH WATER. FOG NOZZLES ARE PREFERRED. WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA (cont.)

-UNUSUAL FIRE & EXPLOSION HAZARDS:

VAPORS MAY ACCUMULATE IN INADEQUATELY VENTILATED OR CONFINED AREAS. VAPORS MAY FORM EXPLOSIVE MIXTURES WITH AIR. VAPORS MAY TRAVEL LONG DISTANCES. FLASHBACK OR FLAME TO THE HANDLING SITE MAY OCCUR. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

DURING A FIRE, IRRITATING AND TOXIC GASES AND AEROSOLS FROM THE DECOMPOSITION/COMBUSTION PRODUCTS MAY BE PRESENT.

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SECTION V - HEALTH HAZARD DATA

-PERMISSIBLE EXPOSURE LEVEL

SEE SECTION II (NOT ESTABLISHED FOR PRODUCT).

-EFFECT OF OVEREXPOSURE:

-INHALATION

EXPOSURE MAY CAUSE NASAL AND RESPIRATORY IRRITATION AND ACUTE CENTRAL NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION OR UNCONSCIOUSNESS. ASPHYXIATION MAY RESULT FROM BREATHING OXYGEN DEFICIENT AIR. INHALATION OF ISOCYANATES MAY CAUSE ALLERGIC SENSITIZATION. SYMPTOMS MAY INCLUDE MUCOUS MEMBRANE IRRITATION, TIGHTNESS IN CHEST, IRRITATION OF THE RESPIRATORY TRACT, COUGHING, HEADACHE, AND SHORTNESS OF BREATH. ASTHMA-LIKE ATTACKS MAY FOLLOW.

-SKIN CONTACT:

PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION, DEFATTING OR DERMATITIS.

PROLONGED OR REPEATED SKIN CONTACT MAY ALSO RESULT IN SKIN SENSITIZATION IN SOME INDIVIDUALS.

-EYE CONTACT:

CAUSES IRRITATION.

-INGESTION:

MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

-OTHER HEALTH INFORMATION:

AVOID PROLONGED AND REPEATED CONTACT WITH THIS PRODUCT. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EFFECTS INCLUDE CONCENTRATION DIFFICULTIES, DIMINISHED ACTUAL DEXTERITY AND MEMORY LOSS.

-MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

PRE-EXISTING SKIN, LUNG AND EYE CONDITIONS.

-FIRST AID:

-INHALATION:

REMOVE TO FRESH AIR FROM EXPOSURE. GIVE ARTIFICIAL RESPIRATION OR CARDIOPULMONARY RESUSCITATION (CPR) IF REQUIRED. IF BREATHING IS DIFFICULT, GIVE OXYGEN. KEEP WARM AND QUIET. GET MEDICAL ATTENTION.

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SECTION V - HEALTH HAZARD DATA (cont.)

-SKIN CONTACT:

WASH AFFECTED AREAS WITH SOAP AND WATER. DO NOT USE SOLVENTS.
REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. GET MEDICAL
ATTENTION.

-EYE CONTACT:

FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION
PREFERABLY FROM AN OPHTHALMOLOGIST.

-INGESTION:

GET MEDICAL ATTENTION.

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SECTION VI - REACTIVITY DATA

STABILITY: ☐ Unstable ☒ Stable

HAZARDOUS POLYMERIZATION: ☐ May occur ☒ Will not occur

-INCOMPATIBILITY:

NONE RECOGNIZED UNLESS NOTED BELOW.
AVOID CONTACT WITH WATER, ALCOHOLS AND AMINES.

-CONDITIONS TO AVOID:

NONE RECOGNIZED UNLESS NOTED BELOW.
TEMPERATURES ABOVE MAXIMUM STORAGE TEMPERATURES.

-HAZARDOUS DECOMPOSITION PRODUCTS:

PRODUCTS OF COMBUSTION ARE HAZARDOUS INCLUDING CARBON
MONOXIDE AND CARBON DIOXIDE.
MAY ALSO INCLUDE OXIDES OF NITROGEN AND TRACES OF HCN AND
ISOCYANATE MONOMER.

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SECTION VII - SPILL OR LEAK PROCERURES

-ENVIRONMENTAL RELEASES

DEPENDING ON THE QUANTITY AND CIRCUMSTANCES, AN UNAUTHORIZED
RELEASE OF THIS MATERIAL TO THE ENVIRONMENT MAY BE REPORTABLE
UNDER FEDERAL LAW TO THE NATIONAL RESPONSE CENTER
(800-424-8802). STATE AND LOCAL GOVERNMENTAL AGENCIES MAY ALSO
HAVE REPORTING REQUIREMENTS OF WHICH YOU SHOULD BE AWARE.
REMOVE ALL SOURCES OF IGNITION. WEAR PERSONAL PROTECTIVE
EQUIPMENT TO AVOID BREATHING VAPORS AND SKIN AND EYE CONTACT
WITH THE SPILLED MATERIAL. USE NON-SPARKING TOOLS. USE
EMERGENCY RESPONSE PROFESSIONAL IF MANAGING A RELEASE IS BE-
YOND THE CAPABILITY OF IN-HOUSE PERSONNEL. FOR SMALL SPILLS,
DIKE AND ABSORB WITH INERT MATERIAL.
COLLECT MATERIAL IN OPEN TOP DRUM AND TAKE TO ISOLATED
AREA (OUT-OF-DOORS PREFERRED). FILL DRUM WITH DECONTAMINATION
SOLUTION OF WATER (90-95%), DETERGENT (2%) AND AMMONIA (3-8%).
NEUTRALIZE SPILL AREA WITH DECONTAMINATION SOLUTION.

-WASTE DISPOSAL METHOD:

WHEN DISPOSING OF THIS MATERIAL, ENSURE THAT IT IS PACKAGED,
STORED, TRANSPORTED AND OTHERWISE MANAGED IN ACCORDANCE WITH
LOCAL, STATE AND FEDERAL REGULATIONS. NO DISPOSAL METHOD IS TO
BE USED THAT WOULD POSE AN ENVIRONMENTAL OR HUMAN HEALTH THREAT
INCLUDING ANY WHICH WOULD CONTAMINATE GROUND OR SURFACE WATER.

SECTION VIII - SPECIAL PROTECTION INFORMATION:

-RESPIRATORY PROTECTION:

IN AREAS WHERE TLVS IN SECTION II MAY BE EXCEEDED OR IF SPRAY MIST IS PRESENT, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION APPROPRIATE FOR INDICATED COMPONENTS. IN CONFINED AREAS USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATORS. FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS AND OSHA REGULATIONS (29 CFR 1910.134) FOR RESPIRATOR USE. OSHA AND NIOSH HAVE TAKEN THE POSITION THAT SUPPLIED AIR RESPIRATORS OR SELF-CONTAINED BREATHING APPARATUSES ARE THE ONLY APPROPRIATE RESPIRATORY PROTECTION WHERE ISOCYANATE LEVELS EXCEED EXPOSURE LIMITS.

-VENTILATION:

WHERE EMPLOYEES MAY BE EXPOSED, PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP LEVEL OF HAZARDOUS INGREDIENTS IN SECTION II BELOW RECOMMENDED (ACGIH TLV) OR REGULATED (OSHA PEL) LIMIT. WHERE EMPLOYEES WILL NOT BE EXPOSED, KEEP LEVEL BELOW 25% OF LEL IN SECTION II.

-PROTECTIVE GLOVES:

WEAR CHEMICALLY RESISTANT GLOVES.

-EYE PROTECTION:

SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES.

-OTHER PROTECTIVE EQUIPMENT:

AVOID SKIN CONTACT BY USE OF OTHER PROTECTIVE CLOTHING. A SAFETY SHOWER, AN EYE BATH AND WASHING FACILITIES SHOULD BE AVAILABLE.

SECTION IX - SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP CONTAINER TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAME. DO NOT STORE ABOVE 49 DEG C (120 DEG F). STORE FLAMMABLE LIQUIDS IN ACCORDANCE WITH APPLICABLE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES AND GOVERNMENTAL REGULATIONS. GROUNDING AND BONDING PROCEDURES SHOULD BE FOLLOWED WHEN TRANSFERRING THIS MATERIAL. AVOID FREE FALL OF LIQUID. DO NOT SMOKE WHERE THIS MATERIAL IS USED OR STORED. DO NOT APPLY TO HOT SURFACES. STORE IN TIGHTLY CLOSED CONTAINERS AND PROTECT FROM MOISTURE AND FOREIGN MATERIALS. IDEAL STORAGE TEMPERATURE RANGE IS 10-30 DEG C (64-86 DEG F). ISOCYANATES REACT SLOWLY WITH WATER TO FORM CO2 GAS WHICH CAN CAUSE CONTAINER TO EXPAND OR RUPTURE.

-OTHER PRECAUTIONS:

EMPTY DRUMS MAY CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR DRUM. DO NOT TAKE INTERNALLY. DO NOT DELIBERATELY CONCENTRATE THIS PRODUCT AND INHALE THE VAPORS. PREVENT PROLONGED CONTACT WITH CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE REUSE. VAPORS OF THIS PRODUCT ARE HEAVIER THAN AIR AND MAY COLLECT IN LOW OR CONFINED AREAS. DO NOT ENTER SUCH AREAS WITHOUT FOLLOWING APPROPRIATE PROCEDURES INCLUDING AIR MONITORING, USE OF SUPPLIED AIR IF NECESSARY AND THE PRESENCE OF AN OBSERVER (cont.)

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SECTION IX - SPECIAL PRECAUTIONS (cont.)

-OTHER PRECAUTIONS: (cont.)
FOR ASSISTANCE.

OBSERVE PRECAUTIONARY LABEL WARNINGS.